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PTC/SB/21 (04-04) Approved for use through 07/31/2006, OMB 0851-0031 U.S. Patem and Trademark Office; U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it displays a valid OMB control number Under the Paperwork Reduction Act of 1995, no persons RECEIVED Application Number 10/054,611 CENTRAL FAX CENTE January 18, 2002 Filing Date TRANSMITTAL SEP 1 0 2004 First Named Inventor Thomas R. Cech, et al. **FORM** Art Unit 1652 (to be used for all correspondence after initial filing) Examiner Name Margorzata A. Walicka Attorney Docket Number 015389-002970US; 018/182C 12 Total Number of Pages in This Submission ENCLOSURES (Check all that apply) After Allowance communication to Technology Center (TC) Drawing(s) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC 2nd Supplemental (Appeal Notice, Brief, Reply Brief) Petition Amendment/Reply (11 pages) Petition to Convert to a Proprietary Information Provisional Application After Final Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please Terminal Disclaimer (dentify below): Extension of Time Request Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm J. Michael Schiff, Registration No. 40,253 Individual name Signature Date 3474amber 40/04 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name September 0 Date 2004 Signature

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Thomas Cech et al.

Filing Date: January 18, 2002

Serial No: 10/054,611

I hereby

Docket: 015389-002970US; 018/182c

Title: METHODS FOR DETECTING NUCLEIC >

ACIDS ENCODING HUMAN TELOMERASE

REVERSE TRANSCRIPTASE

Art Unit: 1652

Examiner: Malgorzata A. Walicka, Ph.D.

## SECOND SUPPLEMENTAL AMENDMENT

Commissioner for Patents Alexandria VA 22313

Dear Sir,

The most recent Office Action on the merits was mailed on January 5, 2004 (Paper No. 5), for which applicants filed a complete response on May 27, 2004. A supplemental amendment was filed on July 26, 2004, and a supplemental Information Disclosure Statement was filed on August 19, 2004.

Applicants request entry of this paper into the file, and consideration of the application in view of the remarks and amendments filed previously and herein.